



# Recombinant Human herpesvirus 1 Tegument protein VP16 (UL48)

<b>Product Code</b>	CSB-EP356268HWZ
<b>Relevance</b>	Transcriptional activator of immediate-early (IE) gene products (alpha genes). Acts as a key activator of lytic infection by initiating the lytic program through the assembly of the transcriptional regulatory VP16-induced complex composed of VP16 and two cellular factors, HCFC1 and POU2F 1. VP16-induced complex represents a regulatory switch: when it is on, it promotes IE-gene expression and thus lytic infection, and when it is off, it limits IE-gene transcription favoring latent infection (By similarity).By similarity1 Publication May play a role in the aggregation of tegument proteins around nucleocapsids during virus morphogenesis.
<b>Abbreviation</b>	Recombinant Human herpesvirus 1 UL48 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P04486
<b>Alias</b>	Alpha trans-inducing protein Alpha-TIF ICP25 Vmw65
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Human herpesvirus 1 (strain F) (HHV-1) (Human herpes simplex virus 1)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MDLLVDELFADMDADGASPPPPRPAGGPKNTPAAPPLYATGRLSQAQLMPSP PMPVPPAALFNRLDDLGFSAGPALCTMLDTWNEDLFSALPTNADLYRECKFL STLPSDVVEWGDAYVPERAQIDIRAHGDVAFPTLPATRDGLGLYYEALSRFFH AELRAREESYRTVLANFCSALYRYLRASVRQLHRQAHRGRDRDLGEMLRAT IADRYRETARLARVFLHLYLFLTREILWAAYAEQMMRPDLFDCLCCDLESW RQLAGLFQPFMFVNGALTVRGVPIEARRLRELNHIREHLNLPLVRSAAATEEPGA PLTTPPTLHGNQARASGYFMVLIRAKLDSYSSFTTSPSEAVMREHAYSRRARTK NNYGSTIEGLLDLPDDDAPEEAGLAAPRLSFLPAGHTRRLSTAPPTDVSLGDEL HLDGEDVAMAHADALDDFDLMDLGDGSDSPGPGFTPHDSAPYGALDMADFEF EQMFTDALGIDEYGG
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	UL48
<b>Protein Names</b>	Alpha trans-inducing protein Alpha-TIF ICP25 Vmw65
<b>Expression Region</b>	1-490aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

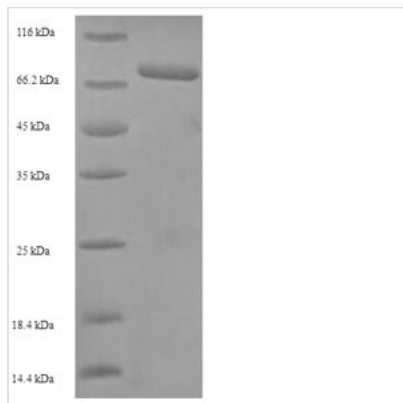


**Tag Info** N-terminal 6xHis-SUMO-tagged

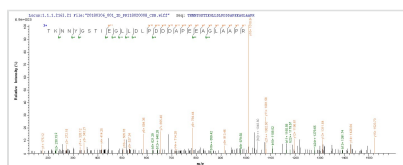
**Mol. Weight** 70.3 kDa

**Protein Length** Full Length

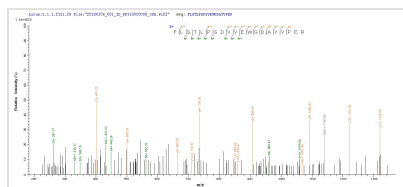
**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP356268HWZ could indicate that this peptide derived from E.coli-expressed Human herpesvirus 1 (strain F) (HHV-1) (Human herpes simplex virus 1) UL48.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP356268HWZ could indicate that this peptide derived from E.coli-expressed Human herpesvirus 1 (strain F) (HHV-1) (Human herpes simplex virus 1) UL48.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.